

# CRANE SAFETY INSPECTION CHECKLIST

Project \_\_\_\_\_

Prime Contractor \_\_\_\_\_ Contract No. \_\_\_\_\_

Furnished by \_\_\_\_\_ Date \_\_\_\_\_

Make \_\_\_\_\_ Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Year of \_\_\_\_\_

Type \_\_\_\_\_ Capacity \_\_\_\_\_ Manufacture \_\_\_\_\_

Requirement - EM385-1-1 (Sep 96) references are shown in parentheses	Yes	No	NA
<b>DOCUMENTATION</b>			
1. Is a copy of the manufacturer's operating manual supplied with the crane? (16.C.02a)			
2. Are manuals supplied for all accessories installed on the crane? (16.C.02a)			
3. Is a load rating chart provided for the crane? (16.C.02b)			
4. Does the load rating chart include: (16.C.02b)			
a. Crane make, model, serial number, and year of manufacture?			
b. Load ratings for all crane operating configurations, including optional equipment?			
c. Wire rope type, size, and reeving?			
d. Recommended reeving for the hoist line?			
e. Operating limits in windy or cold weather conditions?			
5. Is a complete and current log book provided? (16.C.02c)			
<b>EQUIPMENT</b>			
6. Is a boom angle or radius indicator provided within the operators view? (16.D.01, 16.D.04)			
7. Is a load indicating device or a load moment indicator provided? (16.D.01)			
Date of last calibration:			

Equipment (continued)	Yes	No	N A
8. Is a means available for the operator to visually determine the levelness of the crane? (16.D.02)			
9. Is a drum rotation indicator provided (if crane is 1990 or newer)? (16.D.03)			
10. Is the crane equipped with an anti-two block device which will automatically stop the load hoisting function? (16.D.05)			
11. Is the crane equipped with boom stops certified to meet the requirements of SAE J220? (16.D.06)			
12. Is the crane equipped with boom hoist disengaging device which automatically disengages hoisting power when the boom has reached its highest rated angle? (16.D.06c)			
13. Has the crane passed a boom stop field test following the procedures in Appendix I of EM 385-1-1? (16.D.06a)			
14. Does the jib have positive stops to prevent movement of more than 5° above the straight line of the jib and boom? (16.D.06b)			
15. Are all items of the startup inspection listed in EM 385-1-1, Appendix H, in compliance? (16.C.12)			
16. Are all items of the periodic inspection listed in EM 385-1-1, Appendix H, in compliance? (16.C.12)			
<b>OPERATOR</b>			
17. Is operator qualified for this crane by either licensing or examination? (16.C.04a) Attach a copy of the certification to this checklist.			
18. Has operator had a medical examination within the past year affirming physical qualifications necessary for crane operation? (16.C.05b)			
19. Will the operator perform any critical lifts? (see definition, EM 385-1-1, page 293)			
20. Name: _____ Employer: _____  Other cranes operator is qualified to operate: _____			

MISCELLANEOUS	Yes	No	N A
21. Will the load be within the operator's sight at all times? (If no, then attach a sheet describing the communications system to be used.) (16.C.11)			
22. Will the crane be operated near any electric lines? (If yes, attach a plan describing how proper clearances will be maintained.) (16.C.09)			
23. Has the crane satisfactorily completed a performance test conducted by a qualified person? (16.C.13) Attach a copy of the manufacturer's recommendations and a description of the test as actually performed, including date.			
24. Was the COE representative notified of this inspection at least 24 hours in advance? (16.C.12b)			

#### ATTACHMENTS

- \_\_\_\_ Certification of crane operator.
- \_\_\_\_ Hazard Analysis for crane set-up and set-down procedures
- \_\_\_\_ Communications System
- \_\_\_\_ Electrical Clearance Plan
- \_\_\_\_ Performance Test
- \_\_\_\_ Critical Lift Plan
- \_\_\_\_ List of deficiencies observed for items 15 and/or 16

#### CORRECTION OF DEFICIENCIES\* (with date corrected)

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\*NOTE: Crane shall not be utilized until all deficiencies have been corrected.

\_\_\_\_\_  
Superintendent

\_\_\_\_\_  
Contractor Quality Control

\_\_\_\_\_  
Subcontractor Foreman

\_\_\_\_\_  
Crane Operator